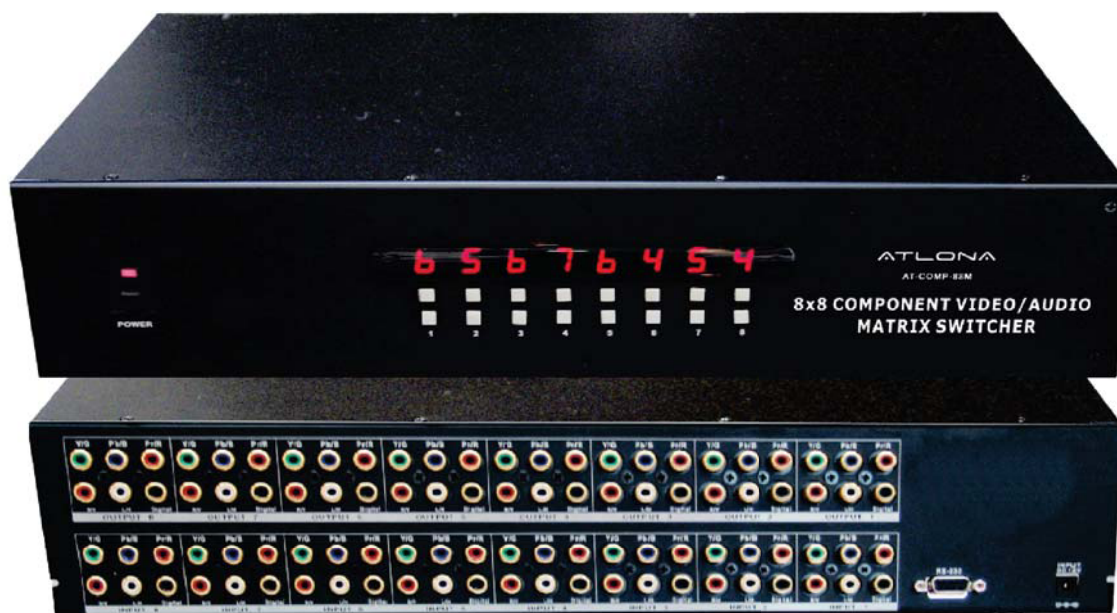


# Atlona 8x8 Component Matrix Switcher with Stereo Audio

AT-COMP-88M



User Manual



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## INTRODUCTION

The AT-COMP-88M has 8 individual component inputs with stereo audio and 8 individual outputs. The matrix switch allows any input or output to be selected. The matrix is ideal for connecting sources such as VCRs, Camcorders, AppleTV, Video Game Consoles, DVDs, Satellite Receivers, and Set Top Boxes to displays such as HDTV, LCDs, Plasma Monitors, Video Projectors. Selection of inputs can be achieved manually through the front panel, through Infrared Remote Control, or RS232 control. Crystal-clear distribution of all HDTV video formats up to 1080p as well as associated audio signals.

## PACKAGE CONTENTS

- Atlona AT-COMP-88M 8X8 Component Matrix Switch Unit
- Operating Instructions
- IR Remote Controller
- 19 inch Ear mount pair
- RS232 Cable and Software package
- Power Supply 12VDC, Universal Type 50/60Hz, 100~230 VAC

## FEATURES

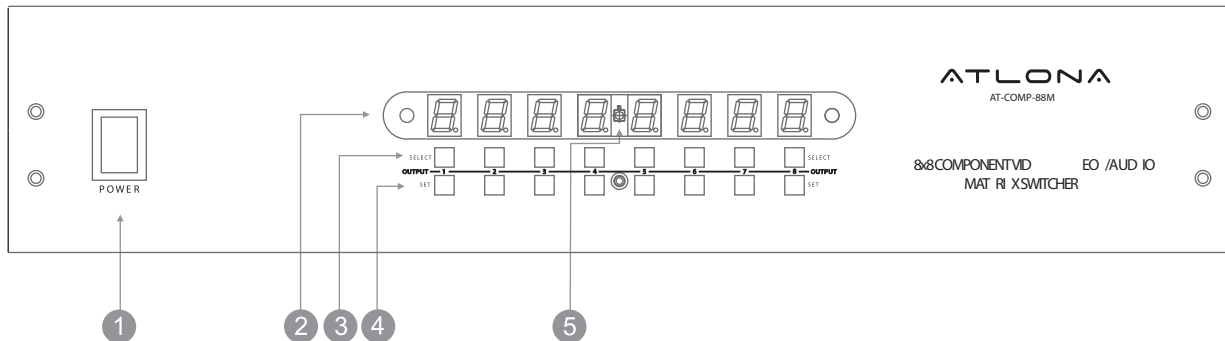
- Input/Output signals via Component Video(YPBPR), Digital(PCM), Stereo Audio
- Supports high definition resolutions: 408p, 576i/p, 720p, 1080i/1080p
- Digital Audio (PCM) and Composite Video compliant
- Compatible with all Component Video devices, Plasma TV display and HDTV
- Various User Interface controls: RS232, IR, Front Panel Controls
- Control PC RS232 Drive compatible with win-95/98/2000/xp

## SPECIFICATIONS

- 8 inputs to 8 outputs (Component Video and Digital/Stereo Audio) Matrix Switcher
- Video : Component Video (YPBPR) 0.5~1.0Vpp, DDC 5Vpp,
- Digital Audio (PCM), Via 1x RCA connector
- Stereo Audio (AR/AL), Via 2x RCA connector(Red/white)
- Video Bandwidth : 325MHz (-3db), 200mVp-p
- Video Supported: High Resolution formats 480i/p, 720p & 1080i/p (50/60Hz)
- Controls: IR remote, Manually Select buttons on the front panel & RS232
- Decrease hostile crosstalk: -83 db@5MHz
- Audio Support: Digital Audio(PCM) and Stereo Audio(AR/AL)
- PC RS232 Control : DB9
- Gain control: 60MHz 0.1 db gain flatness
- Safety Approvals: CE, FCC, RoHs(2002/95/EC).
- Dimensions (LWH): 19"x 7.87" x 3.46"(482mm x 200mm x 88mm)
- Power Supply: DC12V / 2A (consumption 1250mA Max)
- Use Universal Switch Type 50/60Hz,100~230 VAC
- Shipping Weight : 3.85 Kgs / 7.42 lb

## Panel Descriptions

### 1. Front Panel



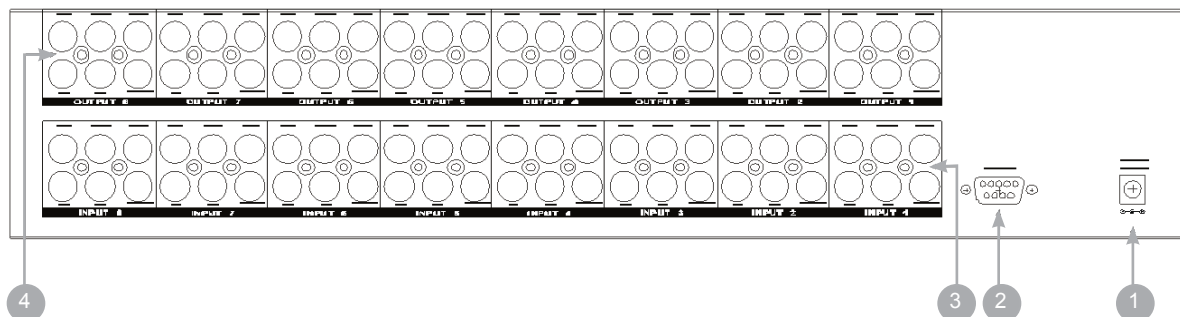
1. **POWER SWITCH:** The power switch turns the unit on and off. The LED illuminates red when the switcher is powered ON
2. **INPUT LED DISPLAY:** Input channel readout matches numbered outputs marked directly below.
3. **INPUT SELECT BUTTONS:** Input selection buttons are provided for each output.
4. **SET BUTTONS:** Sets selected source.
5. **IR SENSOR:** The IR sensor receives IR commands from the remote control

### Front Panel Operation Example


Press **Select** button until desired input channel is displayed, then press **Set** button to confirm.

Note: Please press **Set** button to confirm within one second or the device will not execute the command.

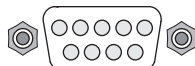
### 2. Rear Panel



#### 1. Power Input

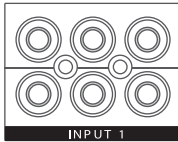
-  DC Jack - inner OD Ø 2.1mm (+)  
 Outside OD Ø 5.5mm (GND)  
 Power input - 12VDC, 2A

#### 2. RS 232 CONNECTION

-  DB-9pin Female connector



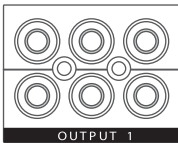
### 3. INPUTS 1-8 COMPONENT/DIGITAL-AUDIO



Component Video (YPBPR) Via 3x RCAs  
 Digital Audio (PCM) Via 1x RCA connector  
 Stereo Audio (AR/AL) Via 2x RCA connectors

Connect desired sources of Component Video (YPBPR)/digital Audio (PCM)/Stereo Audio device to 8:8 switcher inputs 1-8

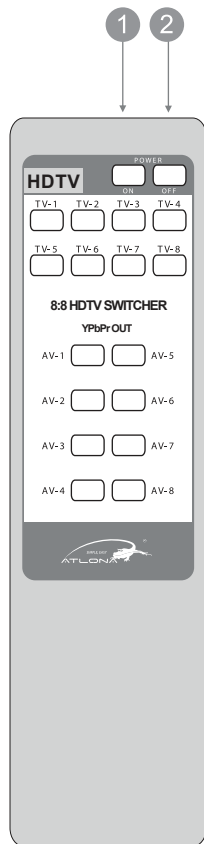
### 4. OUTPUTS 1-8 COMPONENT/DIGITAL-AUDIO



Component Video (YPBPR) Via 3x RCAs  
 Digital Audio(PCM) Via 1x RCA connector  
 Stereo Audio(AR/AL) Via 2x RCA connectors  
*Note: With 6x RCA female connectors*

Connect Component Video(YPBPR)/Digital Audio 1-8 Outputs to desired HD display.

## Remote Control



1. Power ON

2. Power OFF

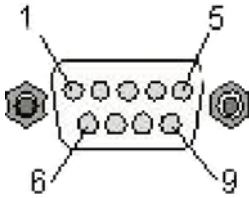
#### 3. OUTPUT 1-8 DISPLAYS SELECTION

Output -1 : TV-1 Component Video (YPBPR) HDTV Display  
 Output -2 : TV-2 Component Video (YPBPR) HDTV Display  
 Output -3 : TV-3 Component Video (YPBPR) HDTV Display  
 Output -4 : TV-4 Component Video (YPBPR) HDTV Display  
 Output -5 : TV-5 Component Video (YPBPR) HDTV Display  
 Output -6 : TV-6 Component Video (YPBPR) HDTV Display  
 Output -7 : TV-7 Component Video (YPBPR) HDTV Display  
 Output -8 : TV-8 Component Video (YPBPR) HDTV Display

#### 4. INPUT 1-8 SOURCES SETUP

Input -1 : AV-1 Component Video (YPBPR) Signal source device  
 Input -2 : AV-2 Component Video (YPBPR) Signal source device  
 Input -3 : AV-3 Component Video (YPBPR) Signal source device  
 Input -4 : AV-4 Component Video (YPBPR) Signal source device  
 Input -5 : AV-5 Component Video (YPBPR) Signal source device  
 Input -6 : AV-6 Component Video (YPBPR) Signal source device  
 Input -7 : AV-7 Component Video (YPBPR) Signal source device  
 Input -8 : AV-8 Component Video (YPBPR) Signal source device

## RS-232



Pin	RS-232	Definition
1	-	Not used
2	TX	Transmitter
3	RX	Receiver
4	-	Not used
5	GND	Ground
6	-	Not used
7	-	Not used
8	-	Not used
9	-	Not used

Baud Rate : 9600 bps, Data Bit :8 bits, Parity : None, Stop Bit :1 bit

- Code entry is CASE SENSITIVE.
- Do not insert spaces between letter/number code entries.

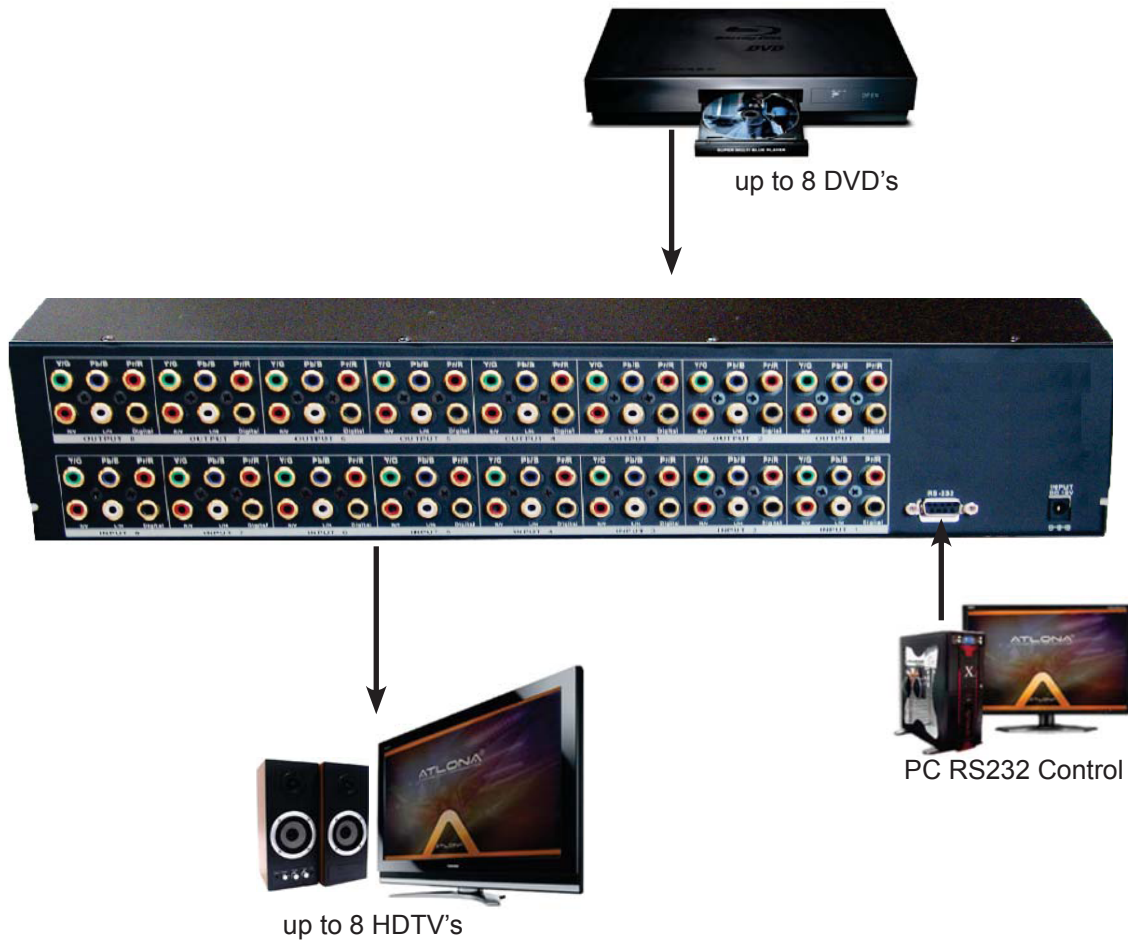
Note1: Feedback for a command repeats the original command. Example, if x1\$ is a command, the feedback is the same and if the command is x2\$, the feedback would also be x2\$.

Note2: If command fails, the feedback should be "Command FAILED".

Command	Description	Feedback
PWON	Power ON	PWON
PWOFF	Power OFF	PWOFF
All#	Reset all input signals to matching output. (Input 1 to Output 1, Input 2 to Output 2, etc...)	All#
x1\$	Switch OFF specified output channel [1]. If Output channel is 2 the command would be x2\$	x1\$
x1AVx2	Switch specified input to output. If input is 5 and output is 3, then command would be x5AVx3	x1AVx2
x1AVx2,x3,x4	Switch specified input to multiple outputs. If input is 5 and outputs are 6, 7, 8, then the command would be x5AVx6,x7,x8	x1AVx2,x3,x4
Statusx1	Display input currently routed to specified output. Example Statusx1 is asking what input is currently being routed to Output # 1	x7AVx1
Status	Display current routing for all inputs and outputs	x1AVx1, x2AVx2, x3AVx4, x5AVx8, ...
Save[Y]	Save the current routing to a preset command [Y]. [Y] ranges from 0 to 9	Save2
Recall[Y]	Recall the preset command [Y]. [Y] ranges from 0 to 9	Recall2
Clear[Y]	Clear the preset command [Y]. [Y] ranges from 0 to 9	Clear2
Mreset	Reset device to manufacture default	Mreset

## APPLICATION

### 8x Component sources to 8x Component Output Matrix Switcher



## Safety Information

### Safeguards



To reduce the risk of electric shock, do not expose this product to rain or moisture



If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.



Do not modify the wall plug. Doing so will void the warranty and safety features.



This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

### Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols. Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-COMP-88M. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

## Warranty

### Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-COMP-88M) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

### Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

### No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

### No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss. Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

## Atlona Product Registration

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: <http://www.atlona.com/registration>